Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER Nuclear Instruments and Methods in Physics Research A 523 (2004) 455–470
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A
www.elsevier.com/locate/nima

Author index

Abraham, J., M. Aglietta, I.C. Aguirre, M. Albrow, D. Allard, I. Allekotte, P. Allison, J.A. Muiz, M.G. do Amaral, M. Ambrosio, L. Anchordoqui, R. Andrews, M. Anguiano, J.C. dos Anjos, C. Aramo, S. Argiro, K. Arisaka, J.C. Arteaga, S. Atulugama, M. Ave, G. Avila, R. Baggio, X. Bai, A.F. Barbosa, H.M.J. Barbosa, D. Barnhill, S.L.C. Barroso, P. Bauleo, J. Beatty, T. Beau, K.-H. Becker, J.A. Bellido, P. Bello, T. Bergmann, E. Berman, X. Bertou, P. Biermann, P. Billoir, R. Biral, H. Bluemer, M. Bohacova, E. Bollmann, C. Bonifazi, M. Boratav, A. Boselli, J. Brack, J.-M. Brunet, H. Bui-Duc, V. Cabrera, D.V. Camin, J.-N. Capdevielle, A. Carreo, N. Cartiglia, R. Caruso, L.A. de Carvalho, S. Casanova, E. Casimiro, A. Castellina, J. Castro, P.W. Cattaneo, L. Cazon, R. Cester, N. Chávez, D. Cheam, A. Chiavassa, J.A. Chinellato, M. Chiosso, A. Chou, J. Chye, A. Cillis, B. Civit, D. Claes, P.D.J. Clark, R.W. Clay, F. Cohen, A. Cordero, A. Cordier, E. Cormier, J. Cotzomi, U. Cotti, S. Coutu, C.E. Covault, A. Creusot, J.W. Cronin, M. Cuautle, S. Dagoret-Campagne, T. Dang-Quang, P. Da Silva, J. Darling, P. Darriulat, K. Daumiller, B.R. Dawson, L. de Bruijn, A. De Capoa, M.A.L. de Oliveira, V. de Souza, A. Della Selva, O. Deligny, J.C. Diaz, C. Dobrigkeit, J.C. D'Olivo, A. Dorofeev, M.T. Dova, A. Dye, M.A. DuVernois, R. Engel, L.N. Epele, P. Eschstruth, C.O. Escobar, A. Etchegoyen, P.F. San Luis, A.C. Fauth, N. Fazzini, A. Fernández, A.M.J. Ferrero, B. Fick, A. Filevich, A. Filipčič, R. Fonte, W. Fulgione, E. Gámez, B. Garcia, C.A. Garcia, H. Geenen, H. Gemmeke, C. Germain-Renaud, P.L. Ghia, K. Gibbs, M. Giller, J. Gitto, H. Glass, M.G. Berisso, P.F.G. Vitale, J. González, J. González, D. Gora, A. Goodwin, P. Gouffon, V. Grassi, A.F. Grillo, C. Grunfeld, J. Grygar, F. Guarino, G. Guedes, C. Guerard, R. Gumbsheimer, J.L. Harton, F. Hasenbalg, D. Heck, J.M. Hernández, D. Hoffer, C. Hojvat, P. Homola, M. Horvat, M. Hrabovsky, A. Insolia, S. Jaminion, Y. Jerónimo, L. Jiang, M. Kaducak, K.-H. Kampert, B. Keilhauer, E. Kemp, H. Klages, M. Kleifges, J. Kleinfeller, J. Knapp, A. Kopmann, N. Kunka, M. Kutschera, C. Lachaud, M. Lapolla, A. Letessier-Selvon, I. Lhenry-Yvon, J. Lloyd-Evans, R. López, A.L. Aguera, M. Lucano, R. Luna, Y. Ma, M.E. Manceido, P.F. Manfredi, L. Manhaes, P. Mantsch, A.G. Mariazzi, M.J. Markus, G. Martin, O. Martineau, J. Martinez, N. Martinez, O. Martínez, H.-J. Mathes, J.A.J. Matthews, J. Matthews, G. Matthiae, E. Marques, P. Matussek, G. Maurin, D. Maurizio, P. Mazur, T. McCauley, M. McEwen, R.R. McNeil, C. Medina, M.C. Medina, G. Medina-Tanco, D. Melo, M. Melocchi, E. Menichetti, A. Menshikov, F. Meyer, R. Meyhandan, J.C. Meza, G. Miele, W. Miller, M. Mohammed, D. Monnier-Ragaigne, C. Morello, E. Moreno, M. Mostafa, R. Mussa, H. Nassini, G. Navarra, L. Nellen, F. Nerling, C. Newman-Holmes, D. Nicotra, S. Nigro, D. Nitz, H. Nogima, D. Nosek, M. Nuez, T. Ohnuki, A. Olinto, S. Ostaptchenko, M. Palatka, G. Parente, E. Parizot, E.H. Pasaye, N. Pastrone, M. Patel, T. Paul, I. Pedraza, J. Pekala, R. Pelayo, I.M. Pepe, A. Pérez-Lorenzana, L. Perrone, N. Peshman, S. Petrera, P. Petrinca, D. Pham-Ngoc, P. Pham-Trung, T. Pierog, O. Pisanti, N. Playez, E. Ponce, T.A. Porter, L.P. Junior, P. Privitera, M. Prouza, C.L. Pryke, J.B. Rafert, G. Raia, S. Ranchon, L. Ratti, D. Ravignani, V. Re, H.C. Reis, S. Reucroft, B. Revenue, M. Richter, J. Ridky, A. Risi, M. Risse, V. Rizi, M.D. Roberts, C. Robledo, G. Rodriguez, J. Rodriquez, J.R. Martino, S. Román, L. Rosa, M. Roth, A.C. Rovero, H. Salazar, G. Salina, F. Sanchez, M. Santander, L.G. dos Santos, R. Sato, P. Schovanek, V. Scherini, S.J. Sciutto, G. Sequeiros-Haddad, R.C. Shellard, E. Shibuya, F.V. Siguas, W. Slater, N. Smetniansky-De Grande, K. Smith, G.R. Snow, P. Sommers, C. Song, H. Spinka, F. Suarez, T. Suomijärvi, D. Supanitsky, J. Swain, Z. Szadkowski, A. Tamashiro, G.J. Thornton, T. Thouw, R. Ticona, W. Tkaczyk, C.J.T. Peixoto, A. Tripathi, G. Tristram, M. Trombley, D. Tscherniakhovski, P. Tuckey, V. Tunnicliffe, M. Urban, C.U. Estrada, J.F. Valdés, A. Vargas, C. Vargas, R. Vazquez, D. Veberič, A. Veiga, A. Velarde, F. Vernotte, V. Verzi, M. Videla, C. Vigorito, L.M. Villaseor, M. Vlcek, L. Voyvodic, T. Vo-Van, T. Waldenmaier, P. Walker, D. Warner, A.A. Watson, C. Wiebusch, G. Wieczorek, B. Wilczynska, H. Wilczynski, N.R. Wild, T. Yamamoto, E. Zas, D. Zavrtanik, M. Zavrtanik, A. Zepeda, C. Zhang and Q. Zhu, Properties and performance of the prototype instrument for the Pierre Auger Observatory 523 (2004) 50

Aglietta, M., see Abraham, J. 523 (2004) 50

Aguera, A.L., see Abraham, J. 523 (2004) 50

doi:10.1016/S0168-9002(04)00635-7

Aguirre, I.C., see Abraham, J. 523 (2004) 50
Akatsuka, T., see Rao, D.V. 523 (2004) 206
Albrow, M., see Abraham, J. 523 (2004) 50
Alex, M., K.R. Prasad and S.K. Kataria, Development of bismuth self-powered detector 523 (2004) 163
Allard, D., see Abraham, J. 523 (2004) 50
Allekotte, I., see Abraham, J. 523 (2004) 50
Allison, P., see Abraham, J. 523 (2004) 50
Alvarez Muiz, J., see Abraham, J. 523 (2004) 50
Ambrosio, M., see Abraham, J. 523 (2004) 50
Amoruso, S., M. Antonello, P. Aprili, F. Arneodo, A. Badertscher, B. Baiboussinov, M.B. Ceolin, G. Battistoni, B. Bekman, P. Benetti, M. Bischofberger, A.B. di Tigliole, R. Brunetti, R. Bruzzese, A. Bueno, M. Buzzanca, E. Calligarich, M. Campanelli, F. Carbonara, C. Carpanese, D. Cavalli, F. Cavanna, P. Cennini, S. Centro, A. Cesana, C. Chen, D. Chen, D.B. Chen, Y. Chen, K. Cieślik, D. Cline, A.G. Cocco, Z. Dai, C. De Vecchi, A. Dąbrowska, A. Di Cicco, R. Dolfini, A. Ereditato, M. Felcini, A. Ferrari, F. Ferri, G. Fiorillo, S. Galli, Y. Ge, D. Gibin, A.G. Berzolari, I. Gil-Botella, K. Graczyk, L. Grandi, A. Guglielmi, K. He, J. Holeczek, X. Huang, C. Juszczak, D. Kiełczewska, J. Kisiel, T. Kozłowski, M. Laffranchi, J. Łagoda, Z. Li, F. Lu, J. Ma, G. Mangano, M. Markiewicz, A.M. de la Ossa, C. Matthey, F. Mauri, G. Meng, M. Messina, C. Montanari, S. Muraro, S. Navas-Concha, S. Otwinowski, Q. Ouyang, O. Palamara, D. Pascoli, L. Periale, G.B.P. Mortari, A. Piazzoli, P. Picchi, F. Pietropaolo, W. Półchłopek, T. Rancati, A. Rappoldi, G.L. Raselli, J. Rico, E. Rondio, M. Rossella, A. Rubbia, C. Rubbia, P.R. Sala, R. Santorelli, D. Scannicchio, E. Segreto, Y. Seo, F. Sergiampietri, J. Sobczyk, N. Spinelli, J. Stepaniak, R. Sulej, M. Szarska, M. Szeptycka, M. Terrani, R. Velotta, S. Ventura, C. Vignoli, H. Wang, X. Wang, J. Woo, G. Xu, Z. Xu, A. Zalewska, C. Zhang, Q. Zhang, S. Zhen and W. Zipper, Study of electron recombination in liquid argon with the ICARUS TPC 523 (2004) 275
Anchordoqui, L., see Abraham, J. 523 (2004) 50
Andrews, R., see Abraham, J. 523 (2004) 50
Andronic, A., S. Biagi, P. Braun-Munzinger, C. Garabatos and G. Tsiledakis, Drift velocity and gain in argon- and xenon-based mixtures 523 (2004) 302
Anguiano, M., see Abraham, J. 523 (2004) 50
Antonello, M., see Amoruso, S. 523 (2004) 275
Aprili, P., see Amoruso, S. 523 (2004) 275
Aramo, C., see Abraham, J. 523 (2004) 50
Argiro, S., see Abraham, J. 523 (2004) 50
Arisaka, K., see Abraham, J. 523 (2004) 50
Arneodo, F., see Amoruso, S. 523 (2004) 275
Arteaga, J.C., see Abraham, J. 523 (2004) 50
Asai, M., see Miyahara, H. 523 (2004) 96
Atulugama, S., see Abraham, J. 523 (2004) 50
Auffray, E., E. Bouquerel, G. Chevenier, P. Lecoq, L. Perez-Prado, P. Sempere-Roldan, M. Schneegans, F. Cavallari, S. Costantini, I. Dafinei, M. Diemoz, E. Longo, P. Meridiani, G. Organtini, R. Paramatti, S. Baccaro and M. Montecchi, Cross-calibration of two automatic quality control systems for the CMS ECAL crystals 523 (2004) 355
Ave, M., see Abraham, J. 523 (2004) 50
Avila, G., see Abraham, J. 523 (2004) 50
Avolio, G., P. Bagnaia, A. Baroncelli, M. Beretta, C. Bini, P. Branchini, M. Cirilli, M. Iodice, A. Lanza, L. La Rotonda, E. Meoni, D. Orestano, E. Pasqualucci, F. Petrucci and L. Pontecorvo, Test of the first BIL tracking chamber for the ATLAS muon spectrometer 523 (2004) 309

Babu, P.S., see Pandit, V.S. 523 (2004) 19
Baccaro, S., see Auffray, E. 523 (2004) 355
Badertscher, A., see Amoruso, S. 523 (2004) 275
Baggio, R., see Abraham, J. 523 (2004) 50
Bagnaia, P., see Avolio, G. 523 (2004) 309
Bai, X., see Abraham, J. 523 (2004) 50
Baiboussinov, B., see Amoruso, S. 523 (2004) 275
Barbosa, A.F., see Abraham, J. 523 (2004) 50
Barbosa, H.M.J., see Abraham, J. 523 (2004) 50
Barnhill, D., see Abraham, J. 523 (2004) 50

Baroncelli, A., see Avolio, G. 523 (2004) 309
Barroso, S.L.C., see Abraham, J. 523 (2004) 50
Battistoni, G., see Amoruso, S. 523 (2004) 275
Bauer, T., see Brunetti, M.T. 523 (2004) 365
Bauleo, P., see Abraham, J. 523 (2004) 50
Beatty, J., see Abraham, J. 523 (2004) 50
Beau, T., see Abraham, J. 523 (2004) 50
Becker, K.-H., see Abraham, J. 523 (2004) 50
Bekman, B., see Amoruso, S. 523 (2004) 275
Bellido, J.A., see Abraham, J. 523 (2004) 50
Bello, P., see Abraham, J. 523 (2004) 50
Benetti, P., see Amoruso, S. 523 (2004) 275
Beretta, M., see Avolio, G. 523 (2004) 309
Bergmann, T., see Abraham, J. 523 (2004) 50
Berisso, M.G., see Abraham, J. 523 (2004) 50
Berman, E., see Abraham, J. 523 (2004) 50
Bertou, X., see Abraham, J. 523 (2004) 50
Berzolari, A.G., see Amoruso, S. 523 (2004) 275
Besch, H.J., see Nurdan, T.Ç. 523 (2004) 435
Besch, H.J., see Wagner, H. 523 (2004) 287
Biagi, S., see Andronic, A. 523 (2004) 302
Biermann, P., see Abraham, J. 523 (2004) 50
Billoir, P., see Abraham, J. 523 (2004) 50
Bini, C., see Avolio, G. 523 (2004) 309
Biral, R., see Abraham, J. 523 (2004) 50
Bischofberger, M., see Amoruso, S. 523 (2004) 275
Bluemer, H., see Abraham, J. 523 (2004) 50
Bohacova, M., see Abraham, J. 523 (2004) 50
Bollmann, E., see Abraham, J. 523 (2004) 50
Bonifazi, C., see Abraham, J. 523 (2004) 50
Boratav, M., see Abraham, J. 523 (2004) 50
Boselli, A., see Abraham, J. 523 (2004) 50
Bouquerel, E., see Auffray, E. 523 (2004) 355
Brack, J., see Abraham, J. 523 (2004) 50
Branchini, P., see Avolio, G. 523 (2004) 309
Braun-Munzinger, P., see Andronic, A. 523 (2004) 302
Breskin, A., see Maia, J.M. 523 (2004) 334
Brunet, J.-M., see Abraham, J. 523 (2004) 50
Brunetti, M.T., B. Checcucci, V. Postolache, D. Ricci, T. Bauer, M. Friedl and M. Pernicka, Proton irradiation of analogue opto-hybrid circuits for the CMS tracker 523 (2004) 365
Brunetti, R., see Amoruso, S. 523 (2004) 275
Bruzzese, R., see Amoruso, S. 523 (2004) 275
Bueno, A., see Amoruso, S. 523 (2004) 275
Bui-Duc, H., see Abraham, J. 523 (2004) 50
Buzzanca, M., see Amoruso, S. 523 (2004) 275

Cabrera, V., see Abraham, J. 523 (2004) 50
Calligarich, E., see Amoruso, S. 523 (2004) 275
Camin, D.V., see Abraham, J. 523 (2004) 50
Campanelli, M., see Amoruso, S. 523 (2004) 275
Camps, C., see Commichau, S.C. 523 (2004) 415
Capdevielle, J.-N., see Abraham, J. 523 (2004) 50
Capell, M., see Commichau, S.C. 523 (2004) 415
Carbonara, F., see Amoruso, S. 523 (2004) 275
Carpanese, C., see Amoruso, S. 523 (2004) 275
Carreo, A., see Abraham, J. 523 (2004) 50
Cartiglia, N., see Abraham, J. 523 (2004) 50

Caruso, R., see Abraham, J. 523 (2004) 50
Casanova, S., see Abraham, J. 523 (2004) 50
Casimiro, E., see Abraham, J. 523 (2004) 50
Castellina, A., see Abraham, J. 523 (2004) 50
Castro, J., see Abraham, J. 523 (2004) 50
Cattaneo, P.W., see Abraham, J. 523 (2004) 50
Cavallari, F., see Auffray, E. 523 (2004) 355
Cavalli, D., see Amoruso, S. 523 (2004) 275
Cavanna, F., see Amoruso, S. 523 (2004) 275
Cazon, L., see Abraham, J. 523 (2004) 50
Cennini, P., see Amoruso, S. 523 (2004) 275
Centro, S., see Amoruso, S. 523 (2004) 275
Ceolin, M.B., see Amoruso, S. 523 (2004) 275
Cesana, A., see Amoruso, S. 523 (2004) 275
Cester, R., see Abraham, J. 523 (2004) 50
Chávez, N., see Abraham, J. 523 (2004) 50
Cheam, D., see Abraham, J. 523 (2004) 50
Checcucci, B., see Brunetti, M.T. 523 (2004) 365
Chechik, R., see Maia, J.M. 523 (2004) 334
Chen, C., see Amoruso, S. 523 (2004) 275
Chen, D., see Amoruso, S. 523 (2004) 275
Chen, D.B., see Amoruso, S. 523 (2004) 275
Chen, Y., see Amoruso, S. 523 (2004) 275
Chevenier, G., see Auffray, E. 523 (2004) 355
Chiara, C.J., D.R. LaFosse, D.G. Sarantites, M. Devlin, F. Lerma and W. Reviol, Role of 4π charged-particle detector arrays in lifetime measurements by Doppler-shift attenuation methods: the Microball 523 (2004) 374
Chiavassa, A., see Abraham, J. 523 (2004) 50
Chinellato, J.A., see Abraham, J. 523 (2004) 50
Chinone, K., see Takei, Y. 523 (2004) 134
Chiosso, M., see Abraham, J. 523 (2004) 50
Chou, A., see Abraham, J. 523 (2004) 50
Chye, J., see Abraham, J. 523 (2004) 50
Cieślik, K., see Amoruso, S. 523 (2004) 275
Cillis, A., see Abraham, J. 523 (2004) 50
Cirilli, M., see Avolio, G. 523 (2004) 309
Civit, B., see Abraham, J. 523 (2004) 50
Claes, D., see Abraham, J. 523 (2004) 50
Clark, P.D.J., see Abraham, J. 523 (2004) 50
Clay, R.W., see Abraham, J. 523 (2004) 50
Cline, D., see Amoruso, S. 523 (2004) 275
Cocco, A.G., see Amoruso, S. 523 (2004) 275
Cohen, F., see Abraham, J. 523 (2004) 50
Commichau, S.C., C. Camps, M. Capell, V. Commichau, G. Flügge, K. Hangarter, A. Lebedev, U. Röser, H. von Gunten, J. Mnich and G.M. Viertel, Time resolution of a photomultiplier readout system for space application 523 (2004) 415
Commichau, V., see Commichau, S.C. 523 (2004) 415
Corbett, J., see Yoon, M. 523 (2004) 9
Cordero, A., see Abraham, J. 523 (2004) 50
Cordier, A., see Abraham, J. 523 (2004) 50
Cormier, E., see Abraham, J. 523 (2004) 50
Cornacchia, M., see Yoon, M. 523 (2004) 9
Costantini, S., see Auffray, E. 523 (2004) 355
Cotti, U., see Abraham, J. 523 (2004) 50
Cotzomi, J., see Abraham, J. 523 (2004) 50
Coutu, S., see Abraham, J. 523 (2004) 50
Covault, C.E., see Abraham, J. 523 (2004) 50
Creusot, A., see Abraham, J. 523 (2004) 50

Cronin, J.W., see Abraham, J. 523 (2004) 50
Cuautle, M., see Abraham, J. 523 (2004) 50

Dąbrowska, A., see Amoruso, S. 523 (2004) 275
Dafinei, I., see Auffray, E. 523 (2004) 355
Dagoret-Campagne, S., see Abraham, J. 523 (2004) 50
Dai, Z., see Amoruso, S. 523 (2004) 275
Dang-Quang, T., see Abraham, J. 523 (2004) 50
Darling, J., see Abraham, J. 523 (2004) 50
Darriulat, P., see Abraham, J. 523 (2004) 50
Da Silva, P., see Abraham, J. 523 (2004) 50
Daumiller, K., see Abraham, J. 523 (2004) 50
Dawson, B.R., see Abraham, J. 523 (2004) 50
de Bruijn, L., see Abraham, J. 523 (2004) 50
De Capoa, A., see Abraham, J. 523 (2004) 50
de Carvalho, L.A., see Abraham, J. 523 (2004) 50
de la Ossa, A.M., see Amoruso, S. 523 (2004) 275
Deligny, O., see Abraham, J. 523 (2004) 50
Della Selva, A., see Abraham, J. 523 (2004) 50
de Oliveira, M.A.L., see Abraham, J. 523 (2004) 50
de Souza, V., see Abraham, J. 523 (2004) 50
De Vecchi, C., see Amoruso, S. 523 (2004) 275
Devlin, M., see Chiara, C.J. 523 (2004) 374
Devlin, M., see Rochman, D. 523 (2004) 102
Diaz, J.C., see Abraham, J. 523 (2004) 50
Di Cicco, A., see Amoruso, S. 523 (2004) 275
Diemoz, M., see Auffray, E. 523 (2004) 355
Dighe, P.M., K.R. Prasad and S.K. Kataria, Silver-lined proportional counter for detection of pulsed neutrons 523 (2004) 158
di Tigliole, A.B., see Amoruso, S. 523 (2004) 275
do Amaral, M.G., see Abraham, J. 523 (2004) 50
Dobrigkeit, C., see Abraham, J. 523 (2004) 50
Dolfini, R., see Amoruso, S. 523 (2004) 275
D'Olivo, J.C., see Abraham, J. 523 (2004) 50
do Nascimento, E., see Takiya, C. 523 (2004) 186
Dorofeev, A., see Abraham, J. 523 (2004) 50
dos Anjos, J.C., see Abraham, J. 523 (2004) 50
dos Santos, J.M.F., see Maia, J.M. 523 (2004) 334
dos Santos, L.G., see Abraham, J. 523 (2004) 50
Dova, M.T., see Abraham, J. 523 (2004) 50
DuVernois, M.A., see Abraham, J. 523 (2004) 50
Dye, A., see Abraham, J. 523 (2004) 50

Engel, R., see Abraham, J. 523 (2004) 50
Epele, L.N., see Abraham, J. 523 (2004) 50
Ereditato, A., see Amoruso, S. 523 (2004) 275
Eschstruth, P., see Abraham, J. 523 (2004) 50
Escobar, C.O., see Abraham, J. 523 (2004) 50
Estrada, C.U., see Abraham, J. 523 (2004) 50
Etchegoyen, A., see Abraham, J. 523 (2004) 50
Ethvignot, T., see Rochman, D. 523 (2004) 102

Farley, F.J.M., A new ring structure for muon ($g-2$) measurements 523 (2004) 251
Fauth, A.C., see Abraham, J. 523 (2004) 50
Fazzini, N., see Abraham, J. 523 (2004) 50
Felcini, M., see Amoruso, S. 523 (2004) 275
Fernández, A., see Abraham, J. 523 (2004) 50

Ferrari, A., see Amoruso, S. 523 (2004) 275
Ferrero, A.M.J., see Abraham, J. 523 (2004) 50
Ferri, F., see Amoruso, S. 523 (2004) 275
Fick, B., see Abraham, J. 523 (2004) 50
Filevich, A., see Abraham, J. 523 (2004) 50
Filipčič, A., see Abraham, J. 523 (2004) 50
Fiorillo, G., see Amoruso, S. 523 (2004) 275
Fiorini, C., see Nurdan, T.Ç. 523 (2004) 435
Flügge, G., see Commichau, S.C. 523 (2004) 415
Fonte, R., see Abraham, J. 523 (2004) 50
Fraenkel, Z., see Kozlov, A. 523 (2004) 345
Fraser, G.W., On the nature of the superconducting-to-normal transition in transition edge sensors 523 (2004) 234
Freisleben, B., see Nurdan, T.Ç. 523 (2004) 435
Friedl, M., see Brunetti, M.T. 523 (2004) 365
Fujiki, K., see Miyahara, H. 523 (2004) 96
Fujimori, T., see Takei, Y. 523 (2004) 134
Fujimoto, R., see Takei, Y. 523 (2004) 134
Fukasawa, A., see Suyama, M. 523 (2004) 147
Fuks, I.M. and S.I. Martynenko, Comment on "On the long-range detection of radioactivity using electromagnetic radiation" 523 (2004) 246
Fulgione, W., see Abraham, J. 523 (2004) 50
Futamoto, K., see Takei, Y. 523 (2004) 134

Galli, S., see Amoruso, S. 523 (2004) 275
Gámez, E., see Abraham, J. 523 (2004) 50
Garabatos, C., see Andronic, A. 523 (2004) 302
Garcia, B., see Abraham, J. 523 (2004) 50
Garcia, C.A., see Abraham, J. 523 (2004) 50
Gatti, E., A. Geraci, S. Riboldi and G. Ripamonti, Digital Penalized LMS method for filter synthesis with arbitrary constraints and noise 523 (2004) 167
Ge, Y., see Amoruso, S. 523 (2004) 275
Geenen, H., see Abraham, J. 523 (2004) 50
Gemmeke, H., see Abraham, J. 523 (2004) 50
Geraci, A., see Gatti, E. 523 (2004) 167
Germain-Renaud, C., see Abraham, J. 523 (2004) 50
Ghia, P.L., see Abraham, J. 523 (2004) 50
Gibbs, K., see Abraham, J. 523 (2004) 50
Gibin, D., see Amoruso, S. 523 (2004) 275
Gil-Botella, I., see Amoruso, S. 523 (2004) 275
Giller, M., see Abraham, J. 523 (2004) 50
Gitto, J., see Abraham, J. 523 (2004) 50
Glass, H., see Abraham, J. 523 (2004) 50
González, J., see Abraham, J. 523 (2004) 50
González, J., see Abraham, J. 523 (2004) 50
Goodwin, A., see Abraham, J. 523 (2004) 50
Gora, D., see Abraham, J. 523 (2004) 50
Gouffon, P., see Abraham, J. 523 (2004) 50
Graczyk, K., see Amoruso, S. 523 (2004) 275
Grandi, L., see Amoruso, S. 523 (2004) 275
Granier, T., see Rochman, D. 523 (2004) 102
Grassi, V., see Abraham, J. 523 (2004) 50
Grillo, A.F., see Abraham, J. 523 (2004) 50
Grunfeld, C., see Abraham, J. 523 (2004) 50
Grygar, J., see Abraham, J. 523 (2004) 50
Guarino, F., see Abraham, J. 523 (2004) 50
Guedes, G., see Abraham, J. 523 (2004) 50
Guerard, C., see Abraham, J. 523 (2004) 50

Guglielmi, A., see Amoruso, S. 523 (2004) 275
Gumbsheimer, R., see Abraham, J. 523 (2004) 50
Gundogdu, O. and E. Tarcan, Location–allocation algorithm for multiple particle tracking using Birmingham MWPC positron camera 523 (2004) 223

Haba, H., see Miyahara, H. 523 (2004) 96
Haba, J., see Suyama, M. 523 (2004) 147
Haight, R.C., see Rochman, D. 523 (2004) 102
Hangarter, K., see Commichau, S.C. 523 (2004) 415
Harada, M., see Kai, T. 523 (2004) 398
Harton, J.L., see Abraham, J. 523 (2004) 50
Hasenbalg, F., see Abraham, J. 523 (2004) 50
He, K., see Amoruso, S. 523 (2004) 275
Heck, D., see Abraham, J. 523 (2004) 50
Helene, O., see Takiya, C. 523 (2004) 186
Hernández, J.M., see Abraham, J. 523 (2004) 50
Hiroike, T., see Takei, Y. 523 (2004) 134
Hoffer, D., see Abraham, J. 523 (2004) 50
Hoffmann, S.V., Ch. Søndergaard, Ch. Schultz, Z. Li and Ph. Hofmann, An undulator-based spherical grating monochromator beamline for angle-resolved photoemission spectroscopy 523 (2004) 441
Hofmann, Ph., see Hoffmann, S.V. 523 (2004) 441
Hojvat, C., see Abraham, J. 523 (2004) 50
Holeczek, J., see Amoruso, S. 523 (2004) 275
Homola, P., see Abraham, J. 523 (2004) 50
Horvat, M., see Abraham, J. 523 (2004) 50
Hotta, N., see Ozawa, S. 523 (2004) 193
Hrabovsky, M., see Abraham, J. 523 (2004) 50
Huang, J., see Ozawa, S. 523 (2004) 193
Huang, X., see Amoruso, S. 523 (2004) 275
Hyodo, K., see Yoneyama, A. 523 (2004) 217

Ichikawa, S., see Miyahara, H. 523 (2004) 96
Ichitsubo, T., see Takei, Y. 523 (2004) 134
Iijima, T., see Suyama, M. 523 (2004) 147
Ikeda, K., see Miyahara, H. 523 (2004) 96
Ikeda, Y., see Kai, T. 523 (2004) 398
Insolia, A., see Abraham, J. 523 (2004) 50
Inuzuka, M., see Kozlov, A. 523 (2004) 345
Iodice, M., see Avolio, G. 523 (2004) 309
Ishisaki, Y., see Takei, Y. 523 (2004) 134
Itai, Y., see Rao, D.V. 523 (2004) 206
Itai, Y., see Yoneyama, A. 523 (2004) 217
Iwata, S., see Suyama, M. 523 (2004) 147
Iyomoto, N., see Takei, Y. 523 (2004) 134

Jaminion, S., see Abraham, J. 523 (2004) 50
Janata, E., M. Körfer and H. Schlarb, Determination of location and intensity of radiation through detection of Cherenkov emission in optical fibers. Part 2. preliminary results obtained at TTF 523 (2004) 256
Jerónimo, Y., see Abraham, J. 523 (2004) 50
Jiang, L., see Abraham, J. 523 (2004) 50
Johnstone, C., see Koscielniak, S. 523 (2004) 25
Junior, L.P., see Abraham, J. 523 (2004) 50
Juszczak, C., see Amoruso, S. 523 (2004) 275

Kaducak, M., see Abraham, J. 523 (2004) 50
Kai, T., M. Harada, M. Teshigawara, N. Watanabe and Y. Ikeda, Coupled hydrogen moderator optimization with ortho/para hydrogen ratio 523 (2004) 398

Kampert, K.-H., see Abraham, J. 523 (2004) 50
Kapusta, M., see Mykulyak, A. 523 (2004) 425
Kataria, S.K., see Alex, M. 523 (2004) 163
Kataria, S.K., see Dighe, P.M. 523 (2004) 158
Katayose, Y., see Ozawa, S. 523 (2004) 193
Katoh, K., see Miyahara, H. 523 (2004) 96
Kawakami, T., see Rao, D.V. 523 (2004) 206
Keilhauer, B., see Abraham, J. 523 (2004) 50
Kemp, E., see Abraham, J. 523 (2004) 50
Khrutchinsky, A., see Korzhik, M. 523 (2004) 271
Kiełczewska, D., see Amoruso, S. 523 (2004) 275
Kisiel, J., see Amoruso, S. 523 (2004) 275
Klages, H., see Abraham, J. 523 (2004) 50
Kleifges, M., see Abraham, J. 523 (2004) 50
Kleinfeller, J., see Abraham, J. 523 (2004) 50
Knapp, J., see Abraham, J. 523 (2004) 50
Koga, T., see Takei, Y. 523 (2004) 134
Koizumi, A., see Yoneyama, A. 523 (2004) 217
Kopmann, A., see Abraham, J. 523 (2004) 50
Körfer, M., see Janata, E. 523 (2004) 256
Korzhik, M., A. Khrutchinsky, O. Missevitch and P. Lecoq, On the response linearity of scintillation detectors in irradiation environment 523 (2004) 271
Koscielniak, S. and C. Johnstone, Mechanisms for nonlinear acceleration in FFAGs with fixed RF 523 (2004) 25
Kozlov, A., I. Ravinovich, L. Shekhtman, Z. Fraenkel, M. Inuzuka and I. Tserruya, Development of a triple GEM UV-photon detector operated in pure CF_4 for the PHENIX experiment 523 (2004) 345
Kozłowski, T., see Amoruso, S. 523 (2004) 275
Kunka, N., see Abraham, J. 523 (2004) 50
Kutschera, M., see Abraham, J. 523 (2004) 50

Lachaud, C., see Abraham, J. 523 (2004) 50
Laffranchi, M., see Amoruso, S. 523 (2004) 275
LaFosse, D.R., see Chiara, C.J. 523 (2004) 374
Łagoda, J., see Amoruso, S. 523 (2004) 275
Lai, W.P., see Wu, S.C. 523 (2004) 116
Lanza, A., see Avolio, G. 523 (2004) 309
Lapolla, M., see Abraham, J. 523 (2004) 50
La Rotonda, L., see Avolio, G. 523 (2004) 309
Lazzaroni, M. and F.E. Zocchi, Noise of the induced signal pulses in semiconductor drift detectors 523 (2004) 126
Lebedev, A., see Commichau, S.C. 523 (2004) 415
Lecoq, P., see Auffray, E. 523 (2004) 355
Lecoq, P., see Korzhik, M. 523 (2004) 271
Lerma, F., see Chiara, C.J. 523 (2004) 374
Letessier-Selvon, A., see Abraham, J. 523 (2004) 50
Lhenry-Yvon, I., see Abraham, J. 523 (2004) 50
Li, H.B., see Wu, S.C. 523 (2004) 116
Li, J., see Wu, S.C. 523 (2004) 116
Li, J.Y., see Ozawa, S. 523 (2004) 193
Li, Z., see Amoruso, S. 523 (2004) 275
Li, Z., see Hoffmann, S.V. 523 (2004) 441
Lin, S.T., see Wu, S.C. 523 (2004) 116
Liotino, A., see Nitti, M.A. 523 (2004) 323
Liu, Y., see Wu, S.C. 523 (2004) 116
Lloyd-Evans, J., see Abraham, J. 523 (2004) 50
Longo, E., see Auffray, E. 523 (2004) 355
López, R., see Abraham, J. 523 (2004) 50
Lu, F., see Amoruso, S. 523 (2004) 275
Lu, S.L., see Ozawa, S. 523 (2004) 193

Lucano, M., see Abraham, J. 523 (2004) 50
Luna, R., see Abraham, J. 523 (2004) 50
Lwin, T.T., see Rao, D.V. 523 (2004) 206
Lynen, U., see Mykulyak, A. 523 (2004) 425

Ma, J., see Amoruso, S. 523 (2004) 275
Ma, Y., see Abraham, J. 523 (2004) 50
Maia, J.M., D. Mörmann, A. Breskin, R. Chechik, J.F.C.A. Veloso and J.M.F. dos Santos, Avalanche-ion back-flow reduction in gaseous electron multipliers based on GEM/MHSP 523 (2004) 334
Manceido, M.E., see Abraham, J. 523 (2004) 50
Manfredi, P.F., see Abraham, J. 523 (2004) 50
Mangano, G., see Amoruso, S. 523 (2004) 275
Manhaes, L., see Abraham, J. 523 (2004) 50
Mantsch, P., see Abraham, J. 523 (2004) 50
Mariazzi, A.G., see Abraham, J. 523 (2004) 50
Markiewicz, M., see Amoruso, S. 523 (2004) 275
Markus, M.J., see Abraham, J. 523 (2004) 50
Marnada, N., see Miyahara, H. 523 (2004) 96
Marques, E., see Abraham, J. 523 (2004) 50
Martin, G., see Abraham, J. 523 (2004) 50
Martineau, O., see Abraham, J. 523 (2004) 50
Martinez, J., see Abraham, J. 523 (2004) 50
Martinez, N., see Abraham, J. 523 (2004) 50
Martínez, O., see Abraham, J. 523 (2004) 50
Martino, J.R., see Abraham, J. 523 (2004) 50
Martoiu, S., see Wagner, H. 523 (2004) 287
Martynenko, S.I., see Fuks, I.M. 523 (2004) 246
Mathes, H.-J., see Abraham, J. 523 (2004) 50
Matthews, J., see Abraham, J. 523 (2004) 50
Matthews, J.A.J., see Abraham, J. 523 (2004) 50
Matthey, C., see Amoruso, S. 523 (2004) 275
Matthiae, G., see Abraham, J. 523 (2004) 50
Matussek, P., see Abraham, J. 523 (2004) 50
Mauri, F., see Amoruso, S. 523 (2004) 275
Maurin, G., see Abraham, J. 523 (2004) 50
Maurizio, D., see Abraham, J. 523 (2004) 50
Mazur, P., see Abraham, J. 523 (2004) 50
McCauley, T., see Abraham, J. 523 (2004) 50
McEwen, M., see Abraham, J. 523 (2004) 50
McNeil, R.R., see Abraham, J. 523 (2004) 50
Medina, C., see Abraham, J. 523 (2004) 50
Medina, M.C., see Abraham, J. 523 (2004) 50
Medina-Tanco, G., see Abraham, J. 523 (2004) 50
Melo, D., see Abraham, J. 523 (2004) 50
Melocchi, M., see Abraham, J. 523 (2004) 50
Meng, G., see Amoruso, S. 523 (2004) 275
Menichetti, E., see Abraham, J. 523 (2004) 50
Menk, R.H., see Wagner, H. 523 (2004) 287
Menshikov, A., see Abraham, J. 523 (2004) 50
Meoni, E., see Avolio, G. 523 (2004) 309
Meridiani, P., see Auffray, E. 523 (2004) 355
Meshkov, I., W. Mittig, P. Roussel-Chomaz, A. Sidorin, A. Smirnov and E. Syresin, Individual rare radioactive ion injection, cooling and storage in a ring 523 (2004) 262
Messina, M., see Amoruso, S. 523 (2004) 275
Meyer, F., see Abraham, J. 523 (2004) 50
Meyhandan, R., see Abraham, J. 523 (2004) 50
Meza, J.C., see Abraham, J. 523 (2004) 50

Miele, G., see Abraham, J. 523 (2004) 50
Miller, W., see Abraham, J. 523 (2004) 50
Missevitch, O., see Korzhik, M. 523 (2004) 271
Mitsuda, K., see Takei, Y. 523 (2004) 134
Mittig, W., see Meshkov, I. 523 (2004) 262
Miyahara, H., K. Katoh, N. Marnada, K. Ikeda, K. Fujiki, I. Nishinaka, K. Tsukada, Y. Nagame, M. Asai, S. Ichikawa and H. Haba, Emission probability measurement of principal γ-rays of ^{147}Eu 523 (2004) 96
Mnich, J., see Commichau, S.C. 523 (2004) 415
Mohammed, M., see Abraham, J. 523 (2004) 50
Monnier-Ragaigne, D., see Abraham, J. 523 (2004) 50
Montanari, C., see Amoruso, S. 523 (2004) 275
Montecchi, M., see Auffray, E. 523 (2004) 355
Morello, C., see Abraham, J. 523 (2004) 50
Moreno, E., see Abraham, J. 523 (2004) 50
Morita, U., see Takei, Y. 523 (2004) 134
Mörmann, D., see Maia, J.M. 523 (2004) 334
Morooka, T., see Takei, Y. 523 (2004) 134
Mortari, G.B.P., see Amoruso, S. 523 (2004) 275
Mostafa, M., see Abraham, J. 523 (2004) 50
Moszyński, M., see Mykulyak, A. 523 (2004) 425
Müller, W.F.J., see Mykulyak, A. 523 (2004) 425
Muraro, S., see Amoruso, S. 523 (2004) 275
Mussa, R., see Abraham, J. 523 (2004) 50
Mykulyak, A., M. Kapusta, U. Lynen, M. Moszyński, W.F.J. Müller, H. Orth, C. Schwarz, M. Szawlowski, W. Trautmann, A. Trzciński, D. Wolski and B. Zwiegliński, Readout of plastic scintillators with cooled large-area avalanche photodiodes 523 (2004) 425

Nagame, Y., see Miyahara, H. 523 (2004) 96
Nakayama, S., see Takei, Y. 523 (2004) 134
Nappi, E., see Nitti, M.A. 523 (2004) 323
Nassini, H., see Abraham, J. 523 (2004) 50
Navarra, G., see Abraham, J. 523 (2004) 50
Navas-Concha, S., see Amoruso, S. 523 (2004) 275
Nellen, L., see Abraham, J. 523 (2004) 50
Nerling, F., see Abraham, J. 523 (2004) 50
Newman-Holmes, C., see Abraham, J. 523 (2004) 50
Nicotra, D., see Abraham, J. 523 (2004) 50
Nigro, S., see Abraham, J. 523 (2004) 50
Nishinaka, I., see Miyahara, H. 523 (2004) 96
Nitti, M.A., G.S. Senesi, A. Liotino, E. Nappi, A. Valentini and B.K. Singh, Influence of the film deposition rate and humidity on the properties of thin CsI photocathodes 523 (2004) 323
Nitz, D., see Abraham, J. 523 (2004) 50
Nogima, H., see Abraham, J. 523 (2004) 50
Nosek, D., see Abraham, J. 523 (2004) 50
Nuez, M., see Abraham, J. 523 (2004) 50
Nurdan, K., see Nurdan, T.Ç. 523 (2004) 435
Nurdan, T.Ç., K. Nurdan, A.H. Walenta, H.J. Besch, C. Fiorini, B. Freisleben and N.A. Pavel, Silicon drift detector readout electronics for a Compton camera 523 (2004) 435

O' Donnell, J.M., see Rochman, D. 523 (2004) 102
Ohashi, T., see Takei, Y. 523 (2004) 134
Ohnuki, T., see Abraham, J. 523 (2004) 50
Ohta, I., see Ozawa, S. 523 (2004) 193
Olinto, A., see Abraham, J. 523 (2004) 50
Orestano, D., see Avolio, G. 523 (2004) 309
Organtini, G., see Auffray, E. 523 (2004) 355

Orth, H., see Mykulyak, A. 523 (2004) 425
Orthen, A., see Wagner, H. 523 (2004) 287
Oshima, T., see Takei, Y. 523 (2004) 134
Ostaptchenko, S., see Abraham, J. 523 (2004) 50
Otwinowski, S., see Amoruso, S. 523 (2004) 275
Ouchi, T., see Ozawa, S. 523 (2004) 193
Ouyang, Q., see Amoruso, S. 523 (2004) 275
Ozawa, S., M. Shibata, Y. Katayose, I. Ohta, N. Hotta, T. Saito, X. Wang, T. Ouchi, J. Huang, H. Tsuchiya, J.R. Ren, S.L. Lu, N.J. Zhang, J.Y. Li and X.Y. Zhang, Automatic analysis of the emulsion chamber using the image scanner applied to the Tibet hybrid experiment 523 (2004) 193

Palamara, O., see Amoruso, S. 523 (2004) 275
Palatka, M., see Abraham, J. 523 (2004) 50
Pandit, V.S. and P.S. Babu, Estimation of the transverse space charge limiting current in a compact isochronous cyclotron 523 (2004) 19
Paramatti, R., see Auffray, E. 523 (2004) 355
Parente, G., see Abraham, J. 523 (2004) 50
Parizot, E., see Abraham, J. 523 (2004) 50
Pasaye, E.H., see Abraham, J. 523 (2004) 50
Pascoli, D., see Amoruso, S. 523 (2004) 275
Pasqualucci, E., see Avolio, G. 523 (2004) 309
Pastrone, N., see Abraham, J. 523 (2004) 50
Patel, M., see Abraham, J. 523 (2004) 50
Paul, T., see Abraham, J. 523 (2004) 50
Pavel, N.A., see Nurdan, T.Ç. 523 (2004) 435
Pedraza, I., see Abraham, J. 523 (2004) 50
Peixoto, C.J.T., see Abraham, J. 523 (2004) 50
Pekala, J., see Abraham, J. 523 (2004) 50
Pelayo, R., see Abraham, J. 523 (2004) 50
Pepe, I.M., see Abraham, J. 523 (2004) 50
Pérez-Lorenzana, A., see Abraham, J. 523 (2004) 50
Perez-Prado, L., see Auffray, E. 523 (2004) 355
Periale, L., see Amoruso, S. 523 (2004) 275
Pernicka, M., see Brunetti, M.T. 523 (2004) 365
Perrone, L., see Abraham, J. 523 (2004) 50
Peshman, N., see Abraham, J. 523 (2004) 50
Petrera, S., see Abraham, J. 523 (2004) 50
Petrinca, P., see Abraham, J. 523 (2004) 50
Petrucci, F., see Avolio, G. 523 (2004) 309
Peurrung, A.J., Reply to Comment on "On the long-range detection of radioactivity using electromagnetic radiation" 523 (2004) 249
Pham-Ngoc, D., see Abraham, J. 523 (2004) 50
Pham-Trung, P., see Abraham, J. 523 (2004) 50
Piazzoli, A., see Amoruso, S. 523 (2004) 275
Picchi, P., see Amoruso, S. 523 (2004) 275
Pierog, T., see Abraham, J. 523 (2004) 50
Pietropaolo, F., see Amoruso, S. 523 (2004) 275
Pisanti, O., see Abraham, J. 523 (2004) 50
Playez, N., see Abraham, J. 523 (2004) 50
Półchłopek, W., see Amoruso, S. 523 (2004) 275
Ponce, E., see Abraham, J. 523 (2004) 50
Pontecorvo, L., see Avolio, G. 523 (2004) 309
Porter, T.A., see Abraham, J. 523 (2004) 50
Postolache, V., see Brunetti, M.T. 523 (2004) 365
Prasad, K.R., see Alex, M. 523 (2004) 163
Prasad, K.R., see Dighe, P.M. 523 (2004) 158
Privitera, P., see Abraham, J. 523 (2004) 50

Prouza, M., see Abraham, J. 523 (2004) 50
Pryke, C.L., see Abraham, J. 523 (2004) 50

Rafert, J.B., see Abraham, J. 523 (2004) 50
Raia, G., see Abraham, J. 523 (2004) 50
Rancati, T., see Amoruso, S. 523 (2004) 275
Ranchon, S., see Abraham, J. 523 (2004) 50
Rao, D.V., T. Takeda, T. Kawakami, K. Uesugi, Y. Tsuchiya, J. Wu, T.T. Lwin, Y. Itai, T. Zeniya, T. Yuasa and T. Akatsuka, Microtomographic images of rat's lumbar vertebra microstructure using 30 keV synchrotron X-rays: an analysis in terms of 3D visualization 523 (2004) 206
Rappoldi, A., see Amoruso, S. 523 (2004) 275
Raselli, G.L., see Amoruso, S. 523 (2004) 275
Ratti, L., see Abraham, J. 523 (2004) 50
Ravignani, D., see Abraham, J. 523 (2004) 50
Ravinovich, I., see Kozlov, A. 523 (2004) 345
Re, V., see Abraham, J. 523 (2004) 50
Reis, H.C., see Abraham, J. 523 (2004) 50
Ren, J.R., see Ozawa, S. 523 (2004) 193
Reucroft, S., see Abraham, J. 523 (2004) 50
Revenue, B., see Abraham, J. 523 (2004) 50
Reviol, W., see Chiara, C.J. 523 (2004) 374
Riboldi, S., see Gatti, E. 523 (2004) 167
Ricci, D., see Brunetti, M.T. 523 (2004) 365
Richter, M., see Abraham, J. 523 (2004) 50
Rico, J., see Amoruso, S. 523 (2004) 275
Ridky, J., see Abraham, J. 523 (2004) 50
Ripamonti, G., see Gatti, E. 523 (2004) 167
Risi, A., see Abraham, J. 523 (2004) 50
Risse, M., see Abraham, J. 523 (2004) 50
Rizi, V., see Abraham, J. 523 (2004) 50
Roberts, M.D., see Abraham, J. 523 (2004) 50
Robledo, C., see Abraham, J. 523 (2004) 50
Rochman, D., R.C. Haight, J.M. O' Donnell, M. Devlin, T. Ethvignot and T. Granier, Neutron-induced reaction studies at FIGARO using a spallation source 523 (2004) 102
Rodriguez, G., see Abraham, J. 523 (2004) 50
Rodriquez, J., see Abraham, J. 523 (2004) 50
Román, S., see Abraham, J. 523 (2004) 50
Rondio, E., see Amoruso, S. 523 (2004) 275
Rosa, L., see Abraham, J. 523 (2004) 50
Röser, U., see Commichau, S.C. 523 (2004) 415
Rossella, M., see Amoruso, S. 523 (2004) 275
Roth, M., see Abraham, J. 523 (2004) 50
Roussel-Chomaz, P., see Meshkov, I. 523 (2004) 262
Rovero, A.C., see Abraham, J. 523 (2004) 50
Rubbia, A., see Amoruso, S. 523 (2004) 275
Rubbia, C., see Amoruso, S. 523 (2004) 275

Saito, T., see Ozawa, S. 523 (2004) 193
Sakuda, M., see Suyama, M. 523 (2004) 147
Sala, P.R., see Amoruso, S. 523 (2004) 275
Salazar, H., see Abraham, J. 523 (2004) 50
Salina, G., see Abraham, J. 523 (2004) 50
Sanchez, F., see Abraham, J. 523 (2004) 50
San Luis, P.F., see Abraham, J. 523 (2004) 50
Santander, M., see Abraham, J. 523 (2004) 50
Santorelli, R., see Amoruso, S. 523 (2004) 275

Sarantites, D.G., see Chiara, C.J. 523 (2004) 374
Sato, K., see Takei, Y. 523 (2004) 134
Sato, R., see Abraham, J. 523 (2004) 50
Scannicchio, D., see Amoruso, S. 523 (2004) 275
Scherini, V., see Abraham, J. 523 (2004) 50
Schlarb, H., see Janata, E. 523 (2004) 256
Schneegans, M., see Auffray, E. 523 (2004) 355
Schovanek, P., see Abraham, J. 523 (2004) 50
Schultz, Ch., see Hoffmann, S.V. 523 (2004) 441
Schwarz, C., see Mykulyak, A. 523 (2004) 425
Sciutto, S.J., see Abraham, J. 523 (2004) 50
Segreto, E., see Amoruso, S. 523 (2004) 275
Sempere-Roldan, P., see Auffray, E. 523 (2004) 355
Senesi, G.S., see Nitti, M.A. 523 (2004) 323
Seo, Y., see Amoruso, S. 523 (2004) 275
Sequeiros-Haddad, G., see Abraham, J. 523 (2004) 50
Sergiampietri, F., see Amoruso, S. 523 (2004) 275
Shekhtman, L., see Kozlov, A. 523 (2004) 345
Shellard, R.C., see Abraham, J. 523 (2004) 50
Shibata, M., see Ozawa, S. 523 (2004) 193
Shibuya, E., see Abraham, J. 523 (2004) 50
Shinozaki, K., see Takei, Y. 523 (2004) 134
Sidorin, A., see Meshkov, I. 523 (2004) 262
Siguas, F.V., see Abraham, J. 523 (2004) 50
Singh, B.K., see Nitti, M.A. 523 (2004) 323
Singh, V., see Wu, S.C. 523 (2004) 116
Slater, W., see Abraham, J. 523 (2004) 50
Smetniansky-De Grande, N., see Abraham, J. 523 (2004) 50
Smirnov, A., see Meshkov, I. 523 (2004) 262
Smith, K., see Abraham, J. 523 (2004) 50
Snow, G.R., see Abraham, J. 523 (2004) 50
Sobczyk, J., see Amoruso, S. 523 (2004) 275
Sommers, P., see Abraham, J. 523 (2004) 50
Søndergaard, Ch., see Hoffmann, S.V. 523 (2004) 441
Song, C., see Abraham, J. 523 (2004) 50
Spinelli, N., see Amoruso, S. 523 (2004) 275
Spinka, H., see Abraham, J. 523 (2004) 50
Stepaniak, J., see Amoruso, S. 523 (2004) 275
Suarez, F., see Abraham, J. 523 (2004) 50
Sulej, R., see Amoruso, S. 523 (2004) 275
Sumiyoshi, T., see Suyama, M. 523 (2004) 147
Suomijärvi, T., see Abraham, J. 523 (2004) 50
Supanitsky, D., see Abraham, J. 523 (2004) 50
Suyama, M., A. Fukasawa, J. Haba, T. Iijima, S. Iwata, M. Sakuda, T. Sumiyoshi, F. Takasaki, M. Tanaka, T. Tsuboyama and YoshikazuYamada, Development of a multi-pixel photon sensor with single-photon sensitivity 523 (2004) 147
Swain, J., see Abraham, J. 523 (2004) 50
Syresin, E., see Meshkov, I. 523 (2004) 262
Szadkowski, Z., see Abraham, J. 523 (2004) 50
Szarska, M., see Amoruso, S. 523 (2004) 275
Szawlowski, M., see Mykulyak, A. 523 (2004) 425
Szeptycka, M., see Amoruso, S. 523 (2004) 275

Takasaki, F., see Suyama, M. 523 (2004) 147
Takeda, T., see Rao, D.V. 523 (2004) 206
Takeda, T., see Yoneyama, A. 523 (2004) 217

Takei, Y., K. Tanaka, R. Fujimoto, Y. Ishisaki, U. Morita, T. Morooka, T. Oshima, K. Futamoto, T. Hiroike, T. Koga, K. Mitsuda, T. Ohashi, N.Y. Yamasaki, N. Iyomoto, T. Ichitsubo, K. Sato, T. Fujimori, K. Shinozaki, S. Nakayama and K. Chinone, Performance of a bridge-type TES microcalorimeter, excess noise characteristics and dependence of sensitivity on current 523 (2004) 134
Takiya, C., O. Helene, E. do Nascimento and V.R. Vanin, Minimum variance regularization in linear inverse problems 523 (2004) 186
Tamashiro, A., see Abraham, J. 523 (2004) 50
Tanabe, J., see Yoon, M. 523 (2004) 9
Tanaka, K., see Takei, Y. 523 (2004) 134
Tanaka, M., see Suyama, M. 523 (2004) 147
Tarcan, E., see Gundogdu, O. 523 (2004) 223
Terebilo, A., see Yoon, M. 523 (2004) 9
Terrani, M., see Amoruso, S. 523 (2004) 275
Teshigawara, M., see Kai, T. 523 (2004) 398
Thet-Thet-Lwin, see Yoneyama, A. 523 (2004) 217
Thornton, G.J., see Abraham, J. 523 (2004) 50
Thouw, T., see Abraham, J. 523 (2004) 50
Ticona, R., see Abraham, J. 523 (2004) 50
Tkaczyk, W., see Abraham, J. 523 (2004) 50
Tominaka, T., Vector potential for a single helical current conductor 523 (2004) 1
Trautmann, W., see Mykulyak, A. 523 (2004) 425
Tripathi, A., see Abraham, J. 523 (2004) 50
Tristram, G., see Abraham, J. 523 (2004) 50
Trombley, M., see Abraham, J. 523 (2004) 50
Trzciński, A., see Mykulyak, A. 523 (2004) 425
Tscherniakhovski, D., see Abraham, J. 523 (2004) 50
Tserruya, I., see Kozlov, A. 523 (2004) 345
Tsiledakis, G., see Andronic, A. 523 (2004) 302
Tsuboyama, T., see Suyama, M. 523 (2004) 147
Tsuchiya, H., see Ozawa, S. 523 (2004) 193
Tsuchiya, Y., see Rao, D.V. 523 (2004) 206
Tsuchiya, Y., see Yoneyama, A. 523 (2004) 217
Tsukada, K., see Miyahara, H. 523 (2004) 96
Tuckey, P., see Abraham, J. 523 (2004) 50
Tunnicliffe, V., see Abraham, J. 523 (2004) 50

Uesugi, K., see Rao, D.V. 523 (2004) 206
Urban, M., see Abraham, J. 523 (2004) 50

Valdés, J.F., see Abraham, J. 523 (2004) 50
Valentini, A., see Nitti, M.A. 523 (2004) 323
Vanin, V.R., see Takiya, C. 523 (2004) 186
Vargas, A., see Abraham, J. 523 (2004) 50
Vargas, C., see Abraham, J. 523 (2004) 50
Vazquez, R., see Abraham, J. 523 (2004) 50
Veberič, D., see Abraham, J. 523 (2004) 50
Veiga, A., see Abraham, J. 523 (2004) 50
Velarde, A., see Abraham, J. 523 (2004) 50
Veloso, J.F.C.A., see Maia, J.M. 523 (2004) 334
Velotta, R., see Amoruso, S. 523 (2004) 275
Ventura, S., see Amoruso, S. 523 (2004) 275
Vernotte, F., see Abraham, J. 523 (2004) 50
Verzi, V., see Abraham, J. 523 (2004) 50
Videla, M., see Abraham, J. 523 (2004) 50
Viertel, G.M., see Commichau, S.C. 523 (2004) 415
Vignoli, C., see Amoruso, S. 523 (2004) 275

Vigorito, C., see Abraham, J. 523 (2004) 50
Villaseor, L.M., see Abraham, J. 523 (2004) 50
Vitale, P.F.G., see Abraham, J. 523 (2004) 50
Vlcek, M., see Abraham, J. 523 (2004) 50
von Gunten, H., see Commichau, S.C. 523 (2004) 415
Vo-Van, T., see Abraham, J. 523 (2004) 50
Voyvodic, L., see Abraham, J. 523 (2004) 50

Wagner, H., A. Orthen, H.J. Besch, S. Martoiu, R.H. Menk, A.H. Walenta and U. Werthenbach, On image reconstruction with the two-dimensional interpolating resistive readout structure of the Virtual-Pixel detector 523 (2004) 287
Waldenmaier, T., see Abraham, J. 523 (2004) 50
Walenta, A.H., see Nurdan, T.Ç. 523 (2004) 435
Walenta, A.H., see Wagner, H. 523 (2004) 287
Walker, P., see Abraham, J. 523 (2004) 50
Wang, H., see Amoruso, S. 523 (2004) 275
Wang, M.Z., see Wu, S.C. 523 (2004) 116
Wang, X., see Amoruso, S. 523 (2004) 275
Wang, X., see Ozawa, S. 523 (2004) 193
Warner, D., see Abraham, J. 523 (2004) 50
Watanabe, N., see Kai, T. 523 (2004) 398
Watson, A.A., see Abraham, J. 523 (2004) 50
Werthenbach, U., see Wagner, H. 523 (2004) 287
Wiebusch, C., see Abraham, J. 523 (2004) 50
Wieczorek, G., see Abraham, J. 523 (2004) 50
Wilczynska, B., see Abraham, J. 523 (2004) 50
Wilczynski, H., see Abraham, J. 523 (2004) 50
Wild, N.R., see Abraham, J. 523 (2004) 50
Wolski, D., see Mykulyak, A. 523 (2004) 425
Wong, H.T., see Wu, S.C. 523 (2004) 116
Woo, J., see Amoruso, S. 523 (2004) 275
Wu, J., see Rao, D.V. 523 (2004) 206
Wu, J., see Yoneyama, A. 523 (2004) 217
Wu, S.C., Q. Yue, W.P. Lai, H.B. Li, J. Li, S.T. Lin, Y. Liu, V. Singh, M.Z. Wang, H.T. Wong, B. Xin and Z.Y. Zhou, Near threshold pulse shape discrimination techniques in scintillating CsI(Tl) crystals 523 (2004) 116

Xin, B., see Wu, S.C. 523 (2004) 116
Xu, G., see Amoruso, S. 523 (2004) 275
Xu, Z., see Amoruso, S. 523 (2004) 275

Yamada, Y., see Suyama, M. 523 (2004) 147
Yamamoto, T., see Abraham, J. 523 (2004) 50
Yamasaki, N.Y., see Takei, Y. 523 (2004) 134
Yoneyama, A., T. Takeda, Y. Tsuchiya, J. Wu, Thet-Thet-Lwin, A. Koizumi, K. Hyodo and Y. Itai, A phase-contrast X-ray imaging system—with a 60×30 mm field of view—based on a skew-symmetric two-crystal X-ray interferometer 523 (2004) 217
Yoon, M., J. Corbett, M. Cornacchia, J. Tanabe and A. Terebilo, Analysis of a storage ring combined-function magnet: trajectory calculation and alignment procedure 523 (2004) 9
Yuasa, T., see Rao, D.V. 523 (2004) 206
Yue, Q., see Wu, S.C. 523 (2004) 116

Zalewska, A., see Amoruso, S. 523 (2004) 275
Zas, E., see Abraham, J. 523 (2004) 50
Zavrtanik, D., see Abraham, J. 523 (2004) 50
Zavrtanik, M., see Abraham, J. 523 (2004) 50
Zeniya, T., see Rao, D.V. 523 (2004) 206

Zepeda, A., see Abraham, J. 523 (2004) 50
Zhang, C., see Abraham, J. 523 (2004) 50
Zhang, C., see Amoruso, S. 523 (2004) 275
Zhang, N.J., see Ozawa, S. 523 (2004) 193
Zhang, Q., see Amoruso, S. 523 (2004) 275
Zhang, X.Y., see Ozawa, S. 523 (2004) 193
Zhen, S., see Amoruso, S. 523 (2004) 275
Zhou, Z.Y., see Wu, S.C. 523 (2004) 116
Zhu, Q., see Abraham, J. 523 (2004) 50
Zipper, W., see Amoruso, S. 523 (2004) 275
Zocchi, F.E., see Lazzaroni, M. 523 (2004) 126
Zwiegliński, B., see Mykulyak, A. 523 (2004) 425

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Nuclear Instruments and Methods in Physics Research A 523 (2004) 471–475
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A
www.elsevier.com/locate/nima

Subject index

Accelerators, Beam Handling and Targets

Vector potential for a single helical current conductor, T. Tominaka 523 (2004) 1

Analysis of a storage ring combined-function magnet: trajectory calculation and alignment procedure, M. Yoon, J. Corbett, M. Cornacchia, J. Tanabe and A. Terebilo 523 (2004) 9

Estimation of the transverse space charge limiting current in a compact isochronous cyclotron, V.S. Pandit and P.S. Babu 523 (2004) 19

Mechanisms for nonlinear acceleration in FFAGs with fixed RF, S. Koscielniak and C. Johnstone 523 (2004) 25

A new ring structure for muon ($g-2$) measurements, F.J.M. Farley 523 (2004) 251

Determination of location and intensity of radiation through detection of Cherenkov emission in optical fibers. Part 2. preliminary results obtained at TTF, E. Janata, M. Körfer and H. Schlarb 523 (2004) 256

Individual rare radioactive ion injection, cooling and storage in a ring, I. Meshkov, W. Mittig, P. Roussel-Chomaz, A. Sidorin, A. Smirnov and E. Syresin 523 (2004) 262

High Energy Physics Detectors

On the response linearity of scintillation detectors in irradiation environment, M. Korzhik, A. Khrutchinsky, O. Missevitch and P. Lecoq 523 (2004) 271

Study of electron recombination in liquid argon with the ICARUS TPC, S. Amoruso, M. Antonello, P. Aprili, F. Arneodo, A. Badertscher, B. Baiboussinov, M.B. Ceolin, G. Battistoni, B. Bekman, P. Benetti, M. Bischofberger, A.B. di Tigliole, R. Brunetti, R. Bruzzese, A. Bueno, M. Buzzanca, E. Calligarich, M. Campanelli, F. Carbonara, C. Carpanese, D. Cavalli, F. Cavanna, P. Cennini, S. Centro, A. Cesana, C. Chen, D. Chen, D.B. Chen, Y. Chen, K. Cieślik, D. Cline, A.G. Cocco, Z. Dai, C. De Vecchi, A. Dąbrowska, A. Di Cicco, R. Dolfini, A. Ereditato, M. Felcini, A. Ferrari, F. Ferri, G. Fiorillo, S. Galli, Y. Ge, D. Gibin, A.G. Berzolari, I. Gil-Botella, K. Graczyk, L. Grandi, A. Guglielmi, K. He, J. Holeczek, X. Huang, C. Juszczak, D. Kiełczewska, J. Kisiel, T. Kozłowski, M. Laffranchi, J. Łagoda, Z. Li, F. Lu, J. Ma, G. Mangano, M. Markiewicz, A.M. de la Ossa, C. Matthey, F. Mauri, G. Meng, M. Messina, C. Montanari, S. Muraro, S. Navas-Concha, S. Otwinowski, Q. Ouyang, O. Palamara, D. Pascoli, L. Periale, G.B.P. Mortari, A. Piazzoli, P. Picchi, F. Pietropaolo, W. Półchłopek, T. Rancati, A. Rappoldi, G.L. Raselli, J. Rico, E. Rondio, M. Rossella, A. Rubbia, C. Rubbia, P.R. Sala, R. Santorelli, D. Scannicchio, E. Segreto, Y. Seo, F. Sergiampietri, J. Sobczyk, N. Spinelli, J. Stepaniak, R. Sulej, M. Szarska, M. Szeptycka, M. Terrani, R. Velotta, S. Ventura, C. Vignoli, H. Wang, X. Wang, J. Woo, G. Xu, Z. Xu, A. Zalewska, C. Zhang, Q. Zhang, S. Zhen and W. Zipper 523 (2004) 275

doi:10.1016/S0168-9002(04)00636-9

On image reconstruction with the two-dimensional interpolating resistive readout structure of the Virtual-Pixel detector, H. Wagner, A. Orthen, H.J. Besch, S. Martoiu, R.H. Menk, A.H. Walenta and U. Werthenbach 523 (2004) 287

Drift velocity and gain in argon- and xenon-based mixtures, A. Andronic, S. Biagi, P. Braun-Munzinger, C. Garabatos and G. Tsiledakis 523 (2004) 302

Test of the first BIL tracking chamber for the ATLAS muon spectrometer, G. Avolio, P. Bagnaia, A. Baroncelli, M. Beretta, C. Bini, P. Branchini, M. Cirilli, M. Iodice, A. Lanza, L. La Rotonda, E. Meoni, D. Orestano, E. Pasqualucci, F. Petrucci and L. Pontecorvo 523 (2004) 309

Influence of the film deposition rate and humidity on the properties of thin CsI photocathodes, M.A. Nitti, G.S. Senesi, A. Liotino, E. Nappi, A. Valentini and B.K. Singh 523 (2004) 323

Avalanche-ion back-flow reduction in gaseous electron multipliers based on GEM/MHSP, J.M. Maia, D. Mörmann, A. Breskin, R. Chechik, J.F.C.A. Veloso and J.M.F. dos Santos 523 (2004) 334

Development of a triple GEM UV-photon detector operated in pure CF_4 for the PHENIX experiment, A. Kozlov, I. Ravinovich, L. Shekhtman, Z. Fraenkel, M. Inuzuka and I. Tserruya 523 (2004) 345

High Energy Physics Systems

Cross-calibration of two automatic quality control systems for the CMS ECAL crystals, E. Auffray, E. Bouquerel, G. Chevenier, P. Lecoq, L. Perez-Prado, P. Sempere-Roldan, M. Schneegans, F. Cavallari, S. Costantini, I. Dafinei, M. Diemoz, E. Longo, P. Meridiani, G. Organtini, R. Paramatti, S. Baccaro and M. Montecchi 523 (2004) 355

Proton irradiation of analogue opto-hybrid circuits for the CMS tracker, M.T. Brunetti, B. Checcucci, V. Postolache, D. Ricci, T. Bauer, M. Friedl and M. Pernicka 523 (2004) 365

Space Radiation and Neutrino Detectors

Properties and performance of the prototype instrument for the Pierre Auger Observatory, J. Abraham, M. Aglietta, I.C. Aguirre, M. Albrow, D. Allard, I. Allekotte, P. Allison, J.A. Muñiz, M.G. do Amaral, M. Ambrosio, L. Anchordoqui, R. Andrews, M. Anguiano, J.C. dos Anjos, C. Aramo, S. Argiro, K. Arisaka, J.C. Arteaga, S. Atulugama, M. Ave, G. Avila, R. Baggio, X. Bai, A.F. Barbosa, H.M.J. Barbosa, D. Barnhill, S.L.C. Barroso, P. Bauleo, J. Beatty, T. Beau, K.-H. Becker, J.A. Bellido, P. Bello, T. Bergmann, E. Berman, X. Bertou, P. Biermann, P. Billoir, R. Biral, H. Bluemer, M. Bohacova, E. Bollmann, C. Bonifazi, M. Boratav, A. Boselli, J. Brack, J.-M. Brunet, H. Bui-Duc, V. Cabrera, D.V. Camin, J.-N. Capdevielle, A. Carreño, N. Cartiglia, R. Caruso, L.A. de Carvalho, S. Casanova, E. Casimiro, A. Castellina, J. Castro, P.W. Cattaneo, L. Cazon, R. Cester, N. Chávez, D. Cheam, A. Chiavassa, J.A. Chinellato, M. Chiosso, A. Chou, J. Chye, A. Cillis, B. Civit, D. Claes, P.D.J. Clark, R.W. Clay, F. Cohen, A. Cordero, A. Cordier, E. Cormier, J. Cotzomi, U. Cotti, S. Coutu, C.E. Covault, A. Creusot, J.W. Cronin, M. Cuautle, S. Dagoret-Campagne, T. Dang-Quang, P. Da Silva, J. Darling, P. Darriulat, K. Daumiller, B.R. Dawson, L. de Bruijn, A. De Capoa, M.A.L. de Oliveira, V. de Souza, A. Della Selva, O. Deligny, J.C. Diaz, C. Dobrigkeit, J.C. D'Olivo, A. Dorofeev, M.T. Dova, A. Dye, M.A. DuVernois, R. Engel, L.N. Epele, P. Eschstruth, C.O. Escobar, A. Etchegoyen, P.F. San Luis, A.C. Fauth, N. Fazzini, A. Fernández, A.M.J. Ferrero, B. Fick, A. Filevich, A. Filipčič, R. Fonte, W. Fulgione, E. Gámez, B. Garcia, C.A. Garcia, H. Geenen, H. Gemmeke, C. Germain-Renaud, P.L. Ghia, K. Gibbs, M. Giller, J. Gitto, H. Glass, M.G. Berisso, P.F.G. Vitale, J. González, J. González, D. Gora, A. Goodwin, P. Gouffon, V. Grassi, A.F. Grillo, C. Grunfeld, J. Grygar, F. Guarino, G. Guedes, C. Guerard, R. Gumbsheimer, J.L. Harton, F. Hasenbalg, D. Heck, J.M. Hernández, D. Hoffer, C. Hojvat, P. Homola, M. Horvat, M. Hrabovsky, A. Insolia, S. Jaminion, Y. Jerónimo, L. Jiang, M. Kaducak, K.-H. Kampert, B. Keilhauer, E. Kemp, H. Klages, M. Kleifges, J. Kleinfeller, J. Knapp, A. Kopmann, N. Kunka, M. Kutschera, C. Lachaud, M. Lapolla, A. Letessier-Selvon,

I. Lhenry-Yvon, J. Lloyd-Evans, R. López, A.L. Aguera, M. Lucano, R. Luna, Y. Ma, M.E. Manceñido, P.F. Manfredi, L. Manhaes, P. Mantsch, A.G. Mariazzi, M.J. Markus, G. Martin, O. Martineau, J. Martinez, N. Martinez, O. Martínez, H.-J. Mathes, J.A.J. Matthews, J. Matthews, G. Matthiae, E. Marques, P. Matussek, G. Maurin, D. Maurizio, P. Mazur, T. McCauley, M. McEwen, R.R. McNeil, C. Medina, M.C. Medina, G. Medina-Tanco, D. Melo, M. Melocchi, E. Menichetti, A. Menshikov, F. Meyer, R. Meyhandan, J.C. Meza, G. Miele, W. Miller, J.C. Meza, M. Mohammed, D. Monnier-Ragaigne, C. Morello, E. Moreno, M. Mostafa, R. Mussa, H. Nassini, G. Navarra, L. Nellen, F. Nerling, C. Newman-Holmes, D. Nicotra, S. Nigro, D. Nitz, H. Nogima, D. Nosek, M. Nuñez, T. Ohnuki, A. Olinto, S. Ostaptchenko, M. Palatka, G. Parente, E. Parizot, E.H. Pasaye, N. Pastrone, M. Patel, T. Paul, I. Pedraza, J. Pekala, R. Pelayo, I.M. Pepe, A. Pérez-Lorenzana, L. Perrone, N. Peshman, S. Petrera, P. Petrinca, D. Pham-Ngoc, P. Pham-Trung, T. Pierog, O. Pisanti, N. Playez, E. Ponce, T.A. Porter, L. P. Junior, P. Privitera, M. Prouza, C.L. Pryke, J.B. Rafert, G. Raia, S. Ranchon, L. Ratti, D. Ravignani, V. Re, H.C. Reis, S. Reucroft, B. Revenue, M. Richter, J. Ridky, A. Risi, M. Risse, V. Rizi, M.D. Roberts, C. Robledo, G. Rodriguez, J. Rodriquez, J.R. Martino, S. Román, L. Rosa, M. Roth, A.C. Rovero, H. Salazar, G. Salina, F. Sanchez, M. Santander, L.G. dos Santos, R. Sato, P. Schovanek, V. Scherini, S.J. Sciutto, G. Sequeiros-Haddad, R.C. Shellard, E. Shibuya, F.V. Siguas, W. Slater, N. Smetniansky-De Grande, K. Smith, G.R. Snow, P. Sommers, C. Song, H. Spinka, F. Suarez, T. Suomijärvi, D. Supanitsky, J. Swain, Z. Szadkowski, A. Tamashiro, G.J. Thornton, T. Thouw, R. Ticona, W. Tkaczyk, C.J.T. Peixoto, A. Tripathi, G. Tristram, M. Trombley, D. Tscherniakhovski, P. Tuckey, V. Tunnicliffe, M. Urban, C.U. Estrada, J.F. Valdés, A. Vargas, C. Vargas, R. Vazquez, D. Veberič, A. Veiga, A. Velarde, F. Vernotte, V. Verzi, M. Videla, C. Vigorito, L.M. Villaseñor, M. Vlcek, L. Voyvodic, T. Vo-Van, T. Waldenmaier, P. Walker, D. Warner, A.A. Watson, C. Wiebusch, G. Wieczorek, B. Wilczynska, H. Wilczynski, N.R. Wild, T. Yamamoto, E. Zas, D. Zavrtanik, M. Zavrtanik, A. Zepeda, C. Zhang and Q. Zhu 523 (2004) 50

Nuclear Spectroscopy

Emission probability measurement of principal γ-rays of ^{147}Eu, H. Miyahara, K. Katoh, N. Marnada, K. Ikeda, K. Fujiki, I. Nishinaka, K. Tsukada, Y. Nagame, M. Asai, S. Ichikawa and H. Haba 523 (2004) 96

Neutron-induced reaction studies at FIGARO using a spallation source, D. Rochman, R.C. Haight, J.M. O' Donnell, M. Devlin, T. Ethvignot and T. Granier 523 (2004) 102

Role of 4π charged-particle detector arrays in lifetime measurements by Doppler-shift attenuation methods: the Microball, C.J. Chiara, D.R. LaFosse, D.G. Sarantites, M. Devlin, F. Lerma and W. Reviol 523 (2004) 374

Gamma, X-ray and Charged Particle Detectors

Near threshold pulse shape discrimination techniques in scintillating CsI(Tl) crystals, S.C. Wu, Q. Yue, W.P. Lai, H.B. Li, J. Li, S.T. Lin, Y. Liu, V. Singh, M.Z. Wang, H.T. Wong, B. Xin and Z.Y. Zhou 523 (2004) 116

Noise of the induced signal pulses in semiconductor drift detectors, M. Lazzaroni and F.E. Zocchi 523 (2004) 126

Performance of a bridge-type TES microcalorimeter, excess noise characteristics and dependence of sensitivity on current, Y. Takei, K. Tanaka, R. Fujimoto, Y. Ishisaki, U. Morita, T. Morooka, T. Oshima, K. Futamoto, T. Hiroike, T. Koga, K. Mitsuda, T. Ohashi, N.Y. Yamasaki, N. Iyomoto, T. Ichitsubo, K. Sato, T. Fujimori, K. Shinozaki, S. Nakayama and K. Chinone 523 (2004) 134

Development of a multi-pixel photon sensor with single-photon sensitivity, M. Suyama, A. Fukasawa, J. Haba, T. Iijima, S. Iwata, M. Sakuda, T. Sumiyoshi, F. Takasaki, M. Tanaka, T. Tsuboyama and YoshikazuYamada 523 (2004) 147

Medical Applications and Dosimetry

Silicon drift detector readout electronics for a Compton camera, T.Ç. Nurdan, K. Nurdan, A.H. Walenta, H.J. Besch, C. Fiorini, B. Freisleben and N.A. Pavel 523 (2004) 435

Neutron Physics

Silver-lined proportional counter for detection of pulsed neutrons, P.M. Dighe, K.R. Prasad and S.K. Kataria 523 (2004) 158

Development of bismuth self-powered detector, M. Alex, K.R. Prasad and S.K. Kataria 523 (2004) 163

Coupled hydrogen moderator optimization with ortho/para hydrogen ratio, T. Kai, M. Harada, M. Teshigawara, N. Watanabe and Y. Ikeda 523 (2004) 398

Electronics

Digital Penalized LMS method for filter synthesis with arbitrary constraints and noise, E. Gatti, A. Geraci, S. Riboldi and G. Ripamonti 523 (2004) 167

Time resolution of a photomultiplier readout system for space application, S.C. Commichau, C. Camps, M. Capell, V. Commichau, G. Flügge, K. Hangarter, A. Lebedev, U. Röser, H. von Gunten, J. Mnich and G.M. Viertel 523 (2004) 415

Readout of plastic scintillators with cooled large-area avalanche photodiodes, A. Mykulyak, M. Kapusta, U. Lynen, M. Moszyński, W.F.J. Müller, H. Orth, C. Schwarz, M. Szawlowski, W. Trautmann, A. Trzciński, D. Wolski and B. Zwiegliński 523 (2004) 425

Numerical and Data Analysis

Minimum variance regularization in linear inverse problems, C. Takiya, O. Helene, E. do Nascimento and V.R. Vanin 523 (2004) 186

Automatic analysis of the emulsion chamber using the image scanner applied to the Tibet hybrid experiment, S. Ozawa, M. Shibata, Y. Katayose, I. Ohta, N. Hotta, T. Saito, X. Wang, T. Ouchi, J. Huang, H. Tsuchiya, J.R. Ren, S.L. Lu, N.J. Zhang, J.Y. Li and X.Y. Zhang 523 (2004) 193

Synchrotron Radiation Research

Microtomographic images of rat's lumbar vertebra microstructure using 30 keV synchrotron X-rays: an analysis in terms of 3D visualization, D.V. Rao, T. Takeda, T. Kawakami, K. Uesugi, Y. Tsuchiya, J. Wu, T.T. Lwin, Y. Itai, T. Zeniya, T. Yuasa and T. Akatsuka 523 (2004) 206

An undulator-based spherical grating monochromator beamline for angle-resolved photoemission spectroscopy, S.V. Hoffmann, Ch. Søndergaard, Ch. Schultz, Z. Li and Ph. Hofmann 523 (2004) 441

Special Applications

A phase-contrast X-ray imaging system—with a 60×30 mm field of view—based on a skew-symmetric two-crystal X-ray interferometer, A. Yoneyama, T. Takeda, Y. Tsuchiya, J. Wu, Thet-Thet-Lwin, A. Koizumi, K. Hyodo and Y. Itai 523 (2004) 217

Location–allocation algorithm for multiple particle tracking using Birmingham MWPC positron camera, O. Gundogdu and E. Tarcan 523 (2004) 223

On the nature of the superconducting-to-normal transition in transition edge sensors, G.W. Fraser 523 (2004) 234

Comments and Replies

Comment on "On the long-range detection of radioactivity using electromagnetic radiation", I.M. Fuks and S.I. Martynenko 523 (2004) 246

Reply to Comment on "On the long-range detection of radioactivity using electromagnetic radiation", A.J. Peurrung 523 (2004) 249